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ŧ From the INTERNATIONAL SEARCHING AUTHORITY **PCT** JOHN D. FRANZINI **QUARLES & BRADY LLP** NOTIFICATION OF TRANSMITTAL OF 411 E. WISCONSIN AVENUE THE INTERNATIONAL SEARCH REPORT AND MILWAUKEE, WI 53202 THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1) 22 NOV 2004 Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below 990029.00002 International filing date International application No. (day/month/year) 09 June 2004 (09.06.2004) PCT/US04/18245 Applicant GKN SINTER METALS, INC The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. Reminders Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication. The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date. Within 19 mouths from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits. Office by Office, see the PCT Applicant's Guide,

Authorized officer

Daniel J. Jenkins

Telephone No. 571-272-1

Facsimile No. (703) 305-3230 Form PCT/ISA/220 (January 2004)

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Alexandria, Virginia 22313-1450

Volume II, National Chapters and the WIPO Internet site.

(See notes on accompanying sheet)

From the INTERNATIONAL SEARCHING AUTHORITY PCT JOHN D. FRANZINI QUARLES & BRADY LLP NOTIFICATION OF TRANSMITTAL OF 411 E. WISCONSIN AVENUE THE INTERNATIONAL SEARCH REPORT AND MILWAUKEE, WI 53202 THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below 990029.00002 International filing date International application No. (day/month/year) 09 June 2004 (09.06.2004) PCT/US04/18245 Applicant GKN SINTER METALS, INC The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that; the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. Reminders Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication. The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date. Within 19 mouths from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide,

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Alexandria, Virginia 22313-1450

Volume II, National Chapters and the WIPO Internet site.

(See notes on accompanying sheet)

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 990029.00002		Form PCT/ISA/220 re applicable, item 5 below.		
International application No. PCT/US04/18245	International filing date (day/month/year) 09 June 2004 (09.06.2004)	(Earliest) Priority Date (day/month/year) 10 June 2003 (10.06.2003)		
Applicant GKN SINTER METALS, INC				
This international search report consists It is also accompanies It is also accompanies It is also accompanies It is also accompanies With regard to the language, the language in which it was filed, to this Author with the many search to the search	d by a copy of each prior art document cite international search was carried out on the banless otherwise indicated under this item. It search was carried out on the basis of a transmity (Rule 23.1(b)). Ide and/or amino acid sequence disclosed in a unsearchable (See Box No. II) Ing (See Box No. III)	d in this report. passis of the international application in the slation of the international application		
5. With regard to the abstract, the text is approved as subm	nitted by the applicant.			
the text has been established applicant may, within to this Authority.	d, according to Rule 38.2(b), by this Authoritione month from the date of mailing of this interest.	y as it appears in Box No. IV. The ernational search report, submit comments		
6. With regard to the drawings, a. the figure of the drawings to be	published with the abstract is Figure No. 2a			
as suggested by the	••			
	Authority, because the applicant failed to sug	l l		
as selected by this	Authority, because this figure better character	rizes the invention.		
b. none of the figures is to be	published with the abstract.			

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18245

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B22F 5/00 US CL : 419/38; 425/78 According to International Patent Classification (IPC) or to both national classification and IPC					
	S SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 419/38; 425/78					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	opropriate, of the relevant passages	Relevant to claim No.		
Y	US 5,039,292 A (TANIGAWA et al) 13 August 19	91 (13.8.1991), column 2, lines 7-46.	1-13		
Y	US 6,080,358 A (OBA et al) 27 June 2000 (27.6.2000), column 2, lines 27-64.		1-13		
A	US 5,403,373 A (KITAGAWA et al) 04 April 1995 (4.4.1995), see entire document.		1-13		
			-		
··············	documents are listed in the continuation of Box C.	See patent family annex. "T" later document published after the inte	marional filing date or priority		
"A" document of particular	ecial categories of cited documents: defining the general state of the art which is not considered to be ar relevance lication or patent published on or after the international filing date	date and not in conflict with the applic principle or theory underlying the inve "X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	ation but cited to understand the ntion cannot be		
establish th specified)	which may throw doubts on priority claim(s) or which is cited to be publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such	when the document is documents, such combination		
"O" document r	eferring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	art		
priority dat		"&" document member of the same patent f			
	tual completion of the international search 2004 (16.11.2004)	Date of mailing of the international case	ch report		
	iling address of the ISA/US	Authorized officer			
Mail Com P.O. Alexa	Stop PCT, Attn: ISA/US missioner for Patents Box 1450 andria, Virginia 22313-1450 (703) 305-3230	Daniel L. Jankins	or		

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No. PCT/US04/18245

Continuation of Item 4 of the first sheet: Title is too long. New Title: Method and Apparatus for Forming a Hole or Slot in Powder Metal Components				
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From the INTERNATIONAL SEARCHING AUTH	ORITY		
To: JOHN D. FRANZINI QUARLES & BRADY LLP 411 E. WISCONSIN AVENUE MILWAUKEE, WI 53202		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (BCT Puls 42 his 1)	
		(PCT Rule 43bis.1)	
		Date of mailing (day/month/year)	22 NOV 2004
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below	
990029.00002 International application No.	International filing date (day/month/year)	Priority date (day/month/year)
PCT/US04/18245	09 June 2004 (09.06.200	4)	10 June 2003 (10.06.2003)
International Patent Classification (IPC)		ion and IPC	
IPC(7): B22F 5/00 and US Cl.: 419/38; Applicant	425/78		
GKN SINTER METALS, INC.			
1. This opinion contains indications re	lating to the following item	ıs:	
Box No. I Basis of th			
Box No. II Priority	e opinion		
, <u> </u>	lishment of opinion with re	gard to novelty, inv	entive step and industrial applicability
Rox No. V Reasoned	No. 10 April 1/2/60 with regard to povelty, inventive step or industrial		
Box No. VII Certain de	fects in the international ap	plication	
Box No. VIII Certain of	eservations on the internation	onal application	
2. FURTHER ACTION			of the
International Preliminary Examin Authority other than this one to be that written opinions of this Interna-	the IPEA and the chosen ational Searching Authority	IPEA has notified to will not be so cons	
IPEA a written reply together, v mailing of Form PCT/ISA/220 or	here appropriate, with an before the expiration of 22		IPEA, the applicant is invited to submit to the the expiration of 3 months from the date of riority date, whichever expires later.
For further options, see Form PC	T/ISA/220.		
3. For further details, see notes to Fo	orm PCT/ISA/220.		
Name and mailing address of the ISA/ Mail Stop PCT, Attn: ISA/US	US	Authorized office Daniel J. Jenki	A I VALTIVOL
Commissioner for Patents P.O. Box 1450			O Pour
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Telephone No.	100
Form PCT/ISA/237 (cover sheet) (Janua	ary 2004)		es & Brady LLP ectual Property Dept.
		FLECE	EIVED:
		RESI	EIVED: 11-26-04 PONSE DUE: 2-23-05

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/18245

Box No	. I Basis of this opinion
it was	egard to the language, this opinion has been established on the basis of the international application in the language in which filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With claime	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the d invention, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
T. Madici	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/18245

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement YES Claims 1-13 Novelty (N) NO Claims NONE YES Inventive step (IS) Claims 1-13 NO Claims NONE YES Claims 1-13 Industrial applicability (IA) NO Claims NONE 2. Citations and explanations: Claims 1-13 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the opening through a wall of said compact extending through said compact. Claims 1-13 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.